

## INTERNATIONAL SEARCH REPORT

PCT/US2004/032963

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H04L12/18

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/143951 A1 (KHAN SHAHADATULLA ET AL) 3 October 2002 (2002-10-03)	6-12, 18-24, 27-34
A	abstract paragraphs '0001! - '0008!, '0011! - '0022!	1,13,25
X	EP 0 902 569 A (AT & T CORP) 17 March 1999 (1999-03-17)	6-12, 18-24, 27-34
A	abstract paragraphs '0004! - '0009!	1,13,25



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents :

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

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\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&amp;\* document member of the same patent family

Date of the actual completion of the international search

21 January 2005

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04/02/2005

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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
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			CA	2245979 A1	11-03-1999
			EP	0902569 A1	17-03-1999